

**United States Environmental Protection Agency
Region 7
300 Minnesota Avenue
Kansas City, KS 66101**

Date: 12/17/2019

Subject: Transmittal of Sample Analysis Results for ASR #: 8420

Project ID: BMFESDWS

Project Description: Downtown Wells site and Former Electrolux site

From: Margaret E.W. St. Germain, Chief
Laboratory Technology & Analysis Branch
Laboratory Services and Applied Sciences Division

**MARGARET
ST. GERMAIN**

Digitally signed by
MARGARET ST. GERMAIN
Date: 2019.12.17 11:12:38
-06'00'

To: Brian Mitchell
LCARD/ROAG

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. These results are based on samples as received at the Science and Technology Center. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please ensure that you file this electronic (.pdf only) transmittal in your records management system. The Regional Laboratory will now retain all of the original hardcopy documentation (e.g. COC[s] and the R7LIMS field sheet[s], etc.) according to our LSASD records management system.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the Online ASR Sample/Data Disposition and Customer Survey for this ASR as soon as possible. The process of disposing of the samples for this ASR will be initiated 30 days from the date of this transmittal unless an alternate release date is specified on the Online ASR Sample/Data Disposition and Customer Survey. It is critical that we receive your response in accordance to RCRA and the laboratory accreditation.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

RCRA 12/17/2019



589002

Project Manager: Brian Mitchell**Org:** LCARD/ROAG**Phone:** 913-551-7633**Project ID:** BMFESDWS**QAPP Number:** PERPM11/5/19**Project Desc:** Downtown Wells site and Former Electrolux site**Location:** Jefferson**State:** Iowa**Program:** Superfund**Site Name:** Multi-Site - General**Site ID:** 07ZZ **Site OU:** 00**Purpose:** Site Preliminary Assessment**GPRA PRC:** 000DD2

CERCLIS ID: IAD047055140. GW sampling for preliminary assessment and site investigation.

EPA PM (BM)/TT sampler noted on the submitted ASR dated 10/9/2019 that this activity is not part of a litigation hold activity at this time.

GPRA/site code (+OU) ok per JN on 10/9/19.

Explanation of Codes, Units and Qualifiers used on this report

Sample QC Codes: QC Codes identify the type of sample for quality control purpose.

Units: Specific units in which results are reported.

___ = Field Sample

ug/L = Micrograms per Liter

FB = Field Blank

FD = Field Duplicate

Data Qualifiers: Specific codes used in conjunction with data values to provide additional information on the quality of reported results, or used to explain the absence of a specific value.

(Blank)= Values have been reviewed and found acceptable for use.

UJ = The analyte was not detected at or above the reporting limit. The reporting limit is an estimate.

J = The identification of the analyte is acceptable; the reported value is an estimate.

U = The analyte was not detected at or above the reporting limit.

ASR Number: 8420**Sample Information Summary****12/17/2019****Project ID:** BMFESDWS**Project Desc:** Downtown Wells site and Former Electrolux site

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1 - ____		Water	GW-03 (34-38)		11/13/2019	10:00			11/14/2019
1 - FD		Water	GW-03 (34-38)		11/13/2019	10:00			11/14/2019
2 - ____		Water	GW-03 (24-28)		11/13/2019	11:00			11/14/2019
3 - ____		Water	GW-03 (15-19)		11/13/2019	11:30			11/14/2019
4 - ____		Water	GW-06 (47-51)		11/13/2019	15:20			11/14/2019
5 - ____		Water	GW-06 (37-41)		11/13/2019	15:40			11/14/2019
6 - ____		Water	GW-06 (22-26)		11/13/2019	16:00			11/14/2019
20 - FB		Water	LDL VOA Trip Blank sample		11/13/2019	12:00			11/14/2019
21 - FB		Water	LDL VOA Field Blank sample		11/13/2019	13:00			11/14/2019
22 - ____		Water	Rinsate sample		11/13/2019	16:12			11/14/2019

Analysis Comments About Results For This Analysis

1 VOCs in Water by GC/MS for Low Detection Limits**Lab:** Contract Lab Program (Out-Source)**Method:** CLP Statement of Work**Samples:** 1-__ 1-FD 2-__ 3-__ 4-__ 5-__ 6-__
 20-FB 21-FB 22-__**Comments:**

Carbon Disulfide was UJ-coded in samples -21FB and -22. This analyte was not found in the samples at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to the initial instrument calibration curve not meeting linearity specifications. The actual reporting limit may be higher than the reported value.

Ethyl Benzene, Isopropylbenzene, Styrene, Tetrachloroethene, Toluene, Trichloroethene, o-Xylene and m and/or -Xylene were UJ-coded in sample -6. These analytes were not found in the sample at or above the reporting limit; however, the reporting limits are an estimate (UJ-coded) due to low recovery of a surrogate analyte. The actual reporting limits for these analytes may be higher than the reported values.

Acetone was J-coded in samples -3 and -4. Although the analyte in question has been positively identified in the sample, the quantitation is an estimate (J-coded) due to high recovery of a surrogate analyte in these samples. The actual concentration for this analyte may be lower than the reported values.

Analysis/ Analyte	Units	1-__	1-FD	2-__	3-__
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L	5.0 U	5.0 U	5.0 U	9.6 J
Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	ug/L	0.50 U	0.50	0.50 U	0.50 U
Carbon Tetrachloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Cyclohexane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-Chloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Ethyl Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methyl Acetate	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methyl tert-butyl ether	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methylcyclohexane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-Pentanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Toluene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U

ASR Number: 8420

Project ID: BMFESDWS

RLAB Approved Sample Analysis Results

12/17/2019

Project Desc: Downtown Wells site and Former Electrolux site

Analysis/ Analyte	Units	1-__	1-FD	2-__	3-__
Trichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Trichlorofluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
m and/or p-Xylene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U

Analysis/ Analyte	Units	4-__	5-__	6-__	20-FB
1 VOCs in Water by GC/MS for Low Detection Limits					
Acetone	ug/L	17 J	5.0 U	5.0 U	5.0 U
Benzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Carbon Disulfide	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Tetrachloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Chloroform	ug/L	0.50 U	0.50 U	1.1	0.50 U
Chloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Cyclohexane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-Chloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Ethyl Benzene	ug/L	0.50 U	0.50 U	0.50 UJ	0.50 U
2-Hexanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	ug/L	0.50 U	0.50 U	0.50 UJ	0.50 U
Methyl Acetate	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methyl tert-butyl ether	ug/L	0.50 U	0.83	0.61	0.50 U
Methylcyclohexane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Methylene Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-Pentanone	ug/L	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	ug/L	0.50 U	0.50 U	0.50 UJ	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.50 U	0.50 U	0.50 UJ	0.50 U
Toluene	ug/L	0.57	0.50 U	0.50 UJ	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.58	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U

ASR Number: 8420

Project ID: BMFESDWS

RLAB Approved Sample Analysis Results

12/17/2019

Project Desc: Downtown Wells site and Former Electrolux site

Analysis/ Analyte	Units	4-__	5-__	6-__	20-FB
Trichloroethene	ug/L	0.50 U	0.50 U	0.50 UJ	0.50 U
Trichlorofluoromethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
Vinyl Chloride	ug/L	0.50 U	0.50 U	0.50 U	0.50 U
m and/or p-Xylene	ug/L	0.50 U	0.50 U	0.50 UJ	0.50 U
o-Xylene	ug/L	0.50 U	0.50 U	0.50 UJ	0.50 U

Analysis/ Analyte	Units	21-FB	22-__
1 VOCs in Water by GC/MS for Low Detection Limits			
Acetone	ug/L	5.0 U	5.0 U
Benzene	ug/L	0.50 U	0.50 U
Bromochloromethane	ug/L	0.50 U	0.50 U
Bromodichloromethane	ug/L	0.50 U	0.50 U
Bromoform	ug/L	0.50 U	0.50 U
Bromomethane	ug/L	0.50 U	0.50 U
2-Butanone	ug/L	5.0 U	5.0 U
Carbon Disulfide	ug/L	0.50 U	0.50 U
Carbon Tetrachloride	ug/L	0.50 U	0.50 U
Chlorobenzene	ug/L	0.50 U	0.50 U
Chloroethane	ug/L	0.50 U	0.50 U
Chloroform	ug/L	0.50 U	0.50 U
Chloromethane	ug/L	0.50 U	0.50 U
Cyclohexane	ug/L	0.50 U	0.50 U
1,2-Dibromo-3-Chloropropane	ug/L	0.50 U	0.50 U
Dibromochloromethane	ug/L	0.50 U	0.50 U
1,2-Dibromoethane	ug/L	0.50 U	0.50 U
1,2-Dichlorobenzene	ug/L	0.50 U	0.50 U
1,3-Dichlorobenzene	ug/L	0.50 U	0.50 U
1,4-Dichlorobenzene	ug/L	0.50 U	0.50 U
Dichlorodifluoromethane	ug/L	0.50 U	0.50 U
1,1-Dichloroethane	ug/L	0.50 U	0.50 U
1,2-Dichloroethane	ug/L	0.50 U	0.50 U
1,1-Dichloroethene	ug/L	0.50 U	0.50 U
cis-1,2-Dichloroethene	ug/L	0.50 U	0.50 U
trans-1,2-Dichloroethene	ug/L	0.50 U	0.50 U
1,2-Dichloropropane	ug/L	0.50 U	0.50 U
cis-1,3-Dichloropropene	ug/L	0.50 U	0.50 U
trans-1,3-Dichloropropene	ug/L	0.50 U	0.50 U
Ethyl Benzene	ug/L	0.50 U	0.50 U
2-Hexanone	ug/L	5.0 U	5.0 U
Isopropylbenzene	ug/L	0.50 U	0.50 U
Methyl Acetate	ug/L	0.50 U	0.50 U
Methyl tert-butyl ether	ug/L	0.50 U	0.50 U
Methylcyclohexane	ug/L	0.50 U	0.50 U
Methylene Chloride	ug/L	0.50 U	0.50 U
4-Methyl-2-Pentanone	ug/L	5.0 U	5.0 U
Styrene	ug/L	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	ug/L	0.50 U	0.50 U
Tetrachloroethene	ug/L	0.50 U	0.50 U
Toluene	ug/L	0.50 U	0.50 U
1,2,3-Trichlorobenzene	ug/L	0.50 U	0.50 U
1,2,4-Trichlorobenzene	ug/L	0.50 U	0.50 U
1,1,1-Trichloroethane	ug/L	0.50 U	0.50 U
1,1,2-Trichloroethane	ug/L	0.50 U	0.50 U

ASR Number: 8420

Project ID: BMFESDWS

RLAB Approved Sample Analysis Results

12/17/2019

Project Desc: Downtown Wells site and Former Electrolux site

Analysis/ Analyte	Units	21-FB	22-__
Trichloroethene	ug/L	0.50 U	0.50 U
Trichlorofluoromethane	ug/L	0.50 U	0.50 U
1,1,2-Trichlorotrifluoroethane	ug/L	0.50 U	0.50 U
Vinyl Chloride	ug/L	0.50 U	0.50 U
m and/or p-Xylene	ug/L	0.50 U	0.50 U
o-Xylene	ug/L	0.50 U	0.50 U

**CHAIN OF CUSTODY RECORD
ENVIRONMENTAL PROTECTION AGENCY REGION VII**

EPA PROJECT MANAGER (Print) Brian Mitchell	SITE OR SAMPLING EVENT Downtown Wells Site	DATE OF SAMPLE COLLECTION(S) 11 / 13 / 19 MONTH DAY YEAR	SHEET 1 of 1
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CONTENTS OF SHIPMENT

ASR AND SAMPLE NUMBER	TYPE OF CONTAINERS				VOA SET (3 VIALS EA)	SAMPLED MEDIA				RECEIVING LABORATORY REMARKS OTHER INFORMATION (condition of samples upon receipt, other sample numbers, etc.)
	1 L PLASTIC BOTTLE	BOTTLE	BOTTLE	BOTTLE		WATER	SOLID	HAC WASTE	AIR	
	NUMBER(S) OF CONTAINERS PER SAMPLE NUMBER									
8420 - 1					3	X				MS/MSD
8420 - 1-FD					1	X				Field Duplicate
8420 - 2					1	X				
8420 - 3					1	X				
8420 - 4					1	X				
8420 - 5					1	X				
8420 - 6					1	X				
8420 - 20-FB					1	X				Field Blank Trip Blank
8420 - 21-FB					1	X				Field Blank
8420 - 22-					1	X				Rinsate Blank
<div style="font-size: 4em; transform: rotate(-30deg); opacity: 0.5;">Complete</div>										A few vials had very small air bubbles + some sediment in vials. Lab informed to note + proceed accordingly. 11/14/19
										Ctr. Temp. Rec'd bet. 0-1 °C 11/14/19

DESCRIPTION OF SHIPMENT 12 CONTAINER(S) CONSISTING OF _____ CRATE(S) 1 ICE CHEST(S); OTHER _____	MODE OF SHIPMENT _____ COMMERCIAL CARRIER X - SAMPLER CONVEYED (SHIPPING AIRBILL NUMBER) _____
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PERSONNEL CUSTODY RECORD

RELINQUISHED BY (PM/SAMPLER) <i>[Signature]</i>	DATE 11/14/19	TIME 1600	RECEIVED BY <i>[Signature]</i>	DATE 11/14/19	TIME 1600	REASON FOR CHANGE OF CUSTODY Lab Analysis
SEALING: <input checked="" type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED			SEALING: <input checked="" type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED			
RELINQUISHED BY (PM/SAMPLER)	DATE	TIME	RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
SEALING: <input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED			SEALING: <input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED			
RELINQUISHED BY (PM/SAMPLER)	DATE	TIME	RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
SEALING: <input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED			SEALING: <input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED			
RELINQUISHED BY (PM/SAMPLER)	DATE	TIME	RECEIVED BY	DATE	TIME	REASON FOR CHANGE OF CUSTODY
SEALING: <input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED			SEALING: <input type="checkbox"/> SEALED <input type="checkbox"/> UNSEALED			

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 8420 Sample Number: 1 QC Code: ~~8420~~^{gm} Matrix: Water Tag ID: 8420-1-~~8420~~^{gm}

Project ID: BMFESDWS **Project Manager:** Brian Mitchell
Project Desc: Downtown Wells site and Former Electrolux site
City: Jefferson **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: GW-03 (~~34-38~~) gm (~~34-38~~)
(~~24-28~~)
External Sample Number: _____

Expected Conc: _____ (or Circle One: Low Medium High) **Date** **Time(24 hr)**
Latitude: _____ **Sample Collection: Start:** 11/13/11 18:00
Longitude: _____ **End:** 1/1/11 _____

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

✓ ~ 11/11/11

Collected MS/MSD Volume = Field Duplicate

Sample Collected By: TT/START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 8420 Sample Number: ^{i gm} ~~19~~ QC Code: ^{gm} ~~ED~~ Matrix: Water Tag ID: 8420-^{gm} ~~19~~ ^{1 - FO}

Project ID: BMFESDWS **Project Manager:** Brian Mitchell
Project Desc: Downtown Wells site and Former Electrolux site
City: Jefferson **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: GW-03 (34-38)

External Sample Number: _____

Expected Conc: _____ (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: _____

Sample Collection: Start: 11/13/11 10:00

Longitude: _____

End: / / :

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Sample Collected By: TT/START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 8420 **Sample Number:** 2 **QC Code:** ____ **Matrix:** Water **Tag ID:** 8420-2-__

Project ID: BMFESDWS **Project Manager:** Brian Mitchell
Project Desc: Downtown Wells site and Former Electrolux site
City: Jefferson **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: GW-03 (24-28)

External Sample Number: _____

Expected Conc: _____ (or Circle One: Low Medium High) **Date** **Time(24 hr)**
Latitude: _____ **Sample Collection: Start:** 11/13/19 11:00
Longitude: _____ **End:** / / :

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Sample Collected By: TT/START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 8420 **Sample Number:** 3 **QC Code:** ____ **Matrix:** Water **Tag ID:** 8420-3-____

Project ID: BMFESDWS **Project Manager:** Brian Mitchell
Project Desc: Downtown Wells site and Former Electrolux site
City: Jefferson **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: GW-03 (15-19)

External Sample Number: _____

Expected Conc: _____ (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: _____

Sample Collection: Start: 11/13/19 11:30

Longitude: _____

End: / / :

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Sample Collected By: TT/START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 8420 **Sample Number:** 4 **QC Code:** ____ **Matrix:** Water **Tag ID:** 8420-4-____

Project ID: BMFESDWS **Project Manager:** Brian Mitchell
Project Desc: Downtown Wells site and Former Electrolux site
City: Jefferson **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: GW-06 (47-51)

External Sample Number: _____

Expected Conc: _____ (or Circle One: Low Medium High) **Date** **Time(24 hr)**
Latitude: _____ **Sample Collection: Start:** 11/13/19 15:20
Longitude: _____ **End:** / / :

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Sample Collected By: TT/START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 8420 **Sample Number:** 5 **QC Code:** ____ **Matrix:** Water **Tag ID:** 8420-5-__

Project ID: BMFESDWS **Project Manager:** Brian Mitchell
Project Desc: Downtown Wells site and Former Electrolux site
City: Jefferson **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: GW-06 (37-41)

External Sample Number: _____

Expected Conc: _____ (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: _____

Sample Collection: Start: 11/13/19 15:40

Longitude: _____

End: / / :

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Sample Collected By: TT/START

Sample Collection Field Sheet

US EPA Region 7

Kansas City, KS

ASR Number: 8420 Sample Number: 6 QC Code: ___ Matrix: Water Tag ID: 8420-6-___

Project ID: BMFESDWS Project Manager: Brian Mitchell
Project Desc: Downtown Wells site and Former Electrolux site
City: Jefferson State: Iowa
Program: Superfund
Site Name: Multi-Site - General Site ID: 07ZZ Site OU: 00

Location Desc: GW-06 (22-26)

External Sample Number: _____

Expected Conc: (or Circle One: Low Medium High) Date Time(24 hr)

Latitude: _____

Sample Collection: Start: 11/13/19

16:00

Longitude: _____

End: ___/___/___

___:___

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

(N/A)

Sample Collected By: TT/START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 8420 **Sample Number:** 20 **QC Code:** FB **Matrix:** Water **Tag ID:** 8420-20-FB

Project ID: BMFESDWS **Project Manager:** Brian Mitchell
Project Desc: Downtown Wells site and Former Electrolux site
City: Jefferson **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: LDL VOA Trip Blank sample

External Sample Number: Top Blank

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: _____

Sample Collection: Start: 11/13/19 12:00

Longitude: _____

End: 1/1 :_

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

Prepared by the LTAB. Provided & left in the dock refrig. at the STC for the TT/START sampler to retrieve, take to the sampling site, label each vial & outside of the pouch with the LIMS provided sample tags and submit with the field sample(s) & COC(s) for this ASR.

Sample Collected By: TT/START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 8420 **Sample Number:** 21 **QC Code:** FB **Matrix:** Water **Tag ID:** 8420-21-FB

Project ID: BMFESDWS **Project Manager:** Brian Mitchell
Project Desc: Downtown Wells site and Former Electrolux site
City: Jefferson **State:** Iowa
Program: Superfund
Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: LDL VOA Field Blank sample

External Sample Number: Field Blank

Expected Conc: _____ (or Circle One: Low Medium High) **Date** **Time(24 hr)**
Latitude: _____ **Sample Collection: Start:** 11/13/19 13:00
Longitude: _____ **End:** / / :

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

Prepared by the TT field sampler to label each vial & outside of the pouch with the LIMS provided sample tags and submit with the field sample(s) & COC(s) for this ASR.

Sample Collected By: TT/START

Sample Collection Field Sheet
US EPA Region 7
Kansas City, KS

ASR Number: 8420 **Sample Number:** 22. **QC Code:** ____ **Matrix:** Water **Tag ID:** 8420-22-~~88~~

Project ID: BMFESDWS **Project Manager:** Brian Mitchell
Project Desc: Downtown Wells site and Former Electrolux site
 City: Jefferson **State:** Iowa
 Program: Superfund
 Site Name: Multi-Site - General **Site ID:** 07ZZ **Site OU:** 00

Location Desc: Rinsate sample

External Sample Number: Rinsate Blank

Expected Conc: (or Circle One: Low Medium High) **Date** **Time(24 hr)**

Latitude: ____

Sample Collection: Start: 11/13/19 16:12

Longitude: ____

End: ____

Laboratory Analyses:

Container	Preservative	Holding Time	Analysis
3 - 40mL VOA vial	4 Deg C, HCL to pH<2	14 Days	1 VOCs in Water by GC/MS for Low Detection Limits

Sample Comments:

NO QC code for rinsate samples. Leave as field sample (do not collect extra volume for QC=MS/MSD on this sample).

Sample Collected By: TT/START